

FIG.1

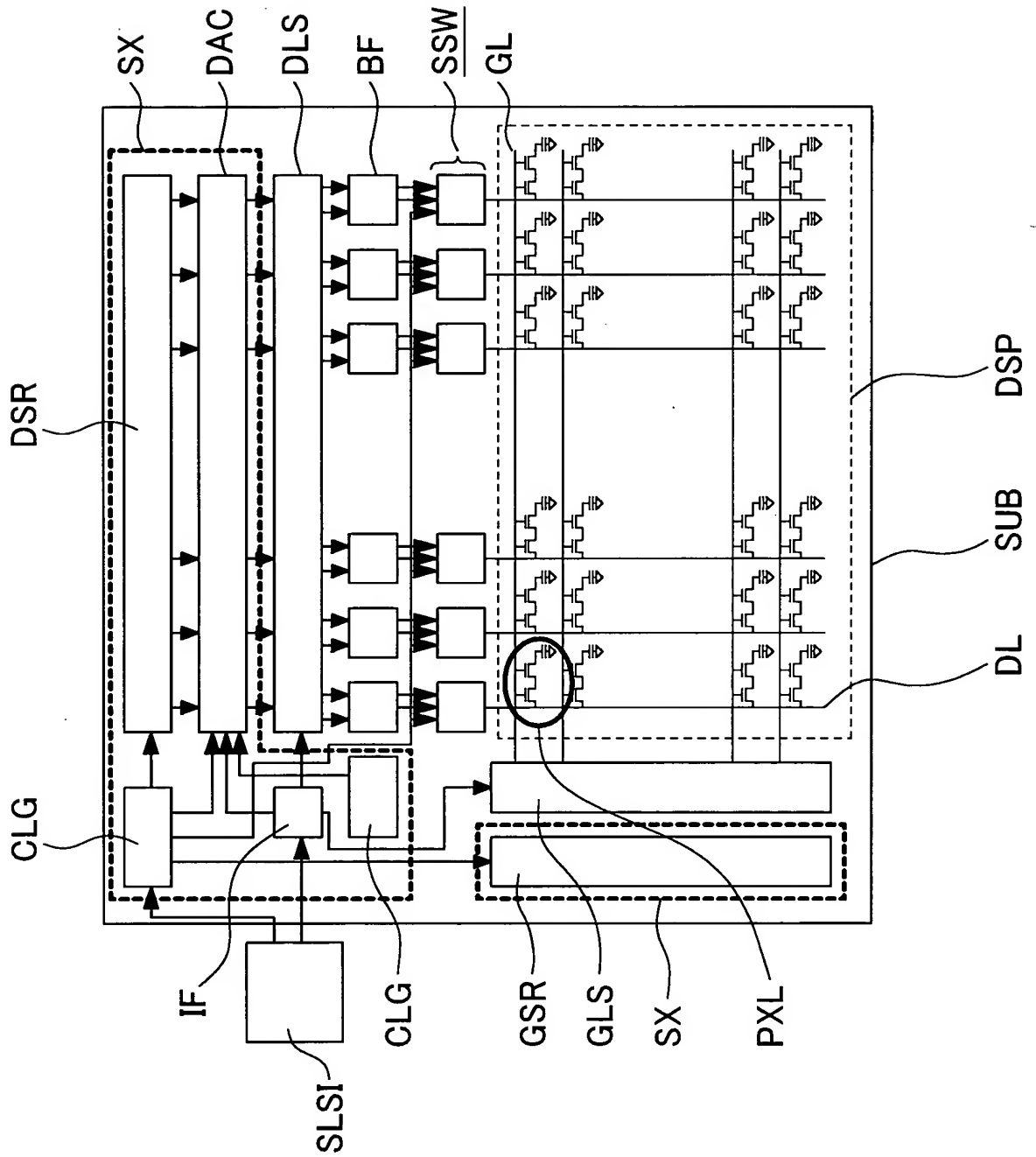


FIG.2

	PIXEL	LEVEL SHIFTER BUFFER SAMPLING SWITCH	SHIFT REGISTER DA CONVERTER	INTERFACE CLOCKED SIGNAL GENERATOR	GRAY SCALE SIGNAL GENERATOR
PROPERTIES DEMANDED FOR EACH CIRCUITS TO WORK BETTER	HIGHER BREAKDOWN VOLTAGE LOW LEAKAGE CURRENT	HIGHTER BREAKDOWN VOLTAGE HIGHER ON-CURRENT HIGHER RELIABILITY	LOWER DRIVING VOLTAGE HIGHER ON-CURRENT	LOWER DRIVING VOLTAGE HOMOGENEOUS PERFORMANCE OF TFTS	HIGHER ON-CURRENT HOMOGENEOUS PERFORMANCE OF TFTS
PROFITS WHEN THE PROPERTIES MENTIONED ABOVE ARE ACHIEVED	CLEAR GRAY SCALE LONGER CHARGE STORAGE	CLEAR GRAY SCALE ENLARGING REGION OF PIXCELS HIGHER RESOLUTION	LOW POWER ENLARGING REGION OF PIXELS HIGHER RESOLUTION	LOW POWER HIGHER RELIABILITY	ENLARGING REGION OF PIXELS HIGHER RESOLUTION HIGHER RELIABILITY

FIG.3A

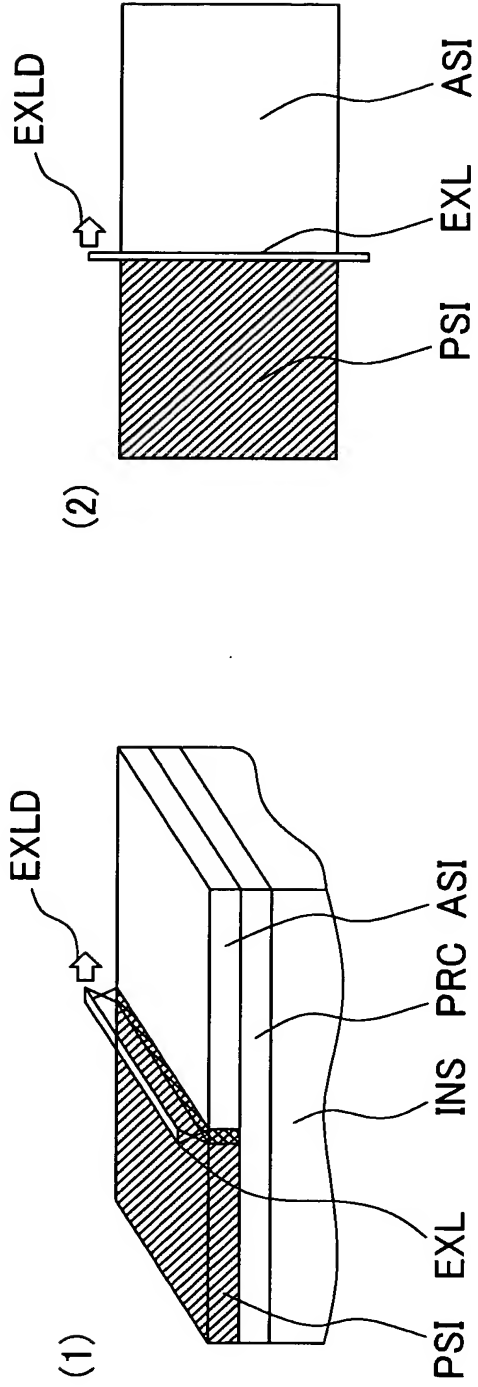


FIG.3B

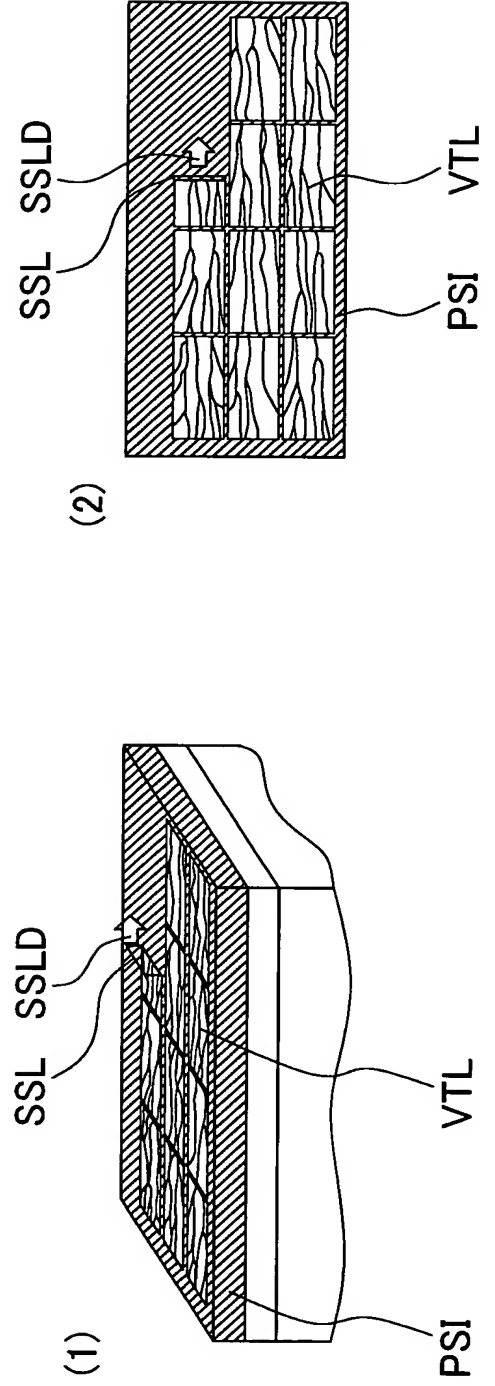


FIG.4A

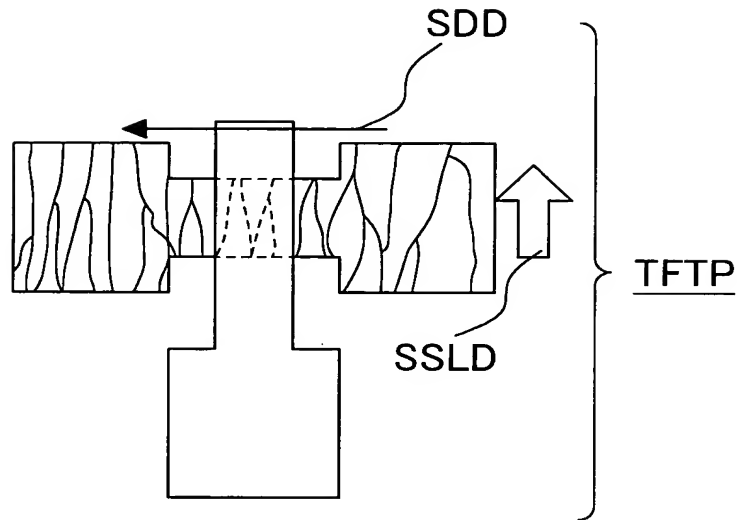


FIG.4B

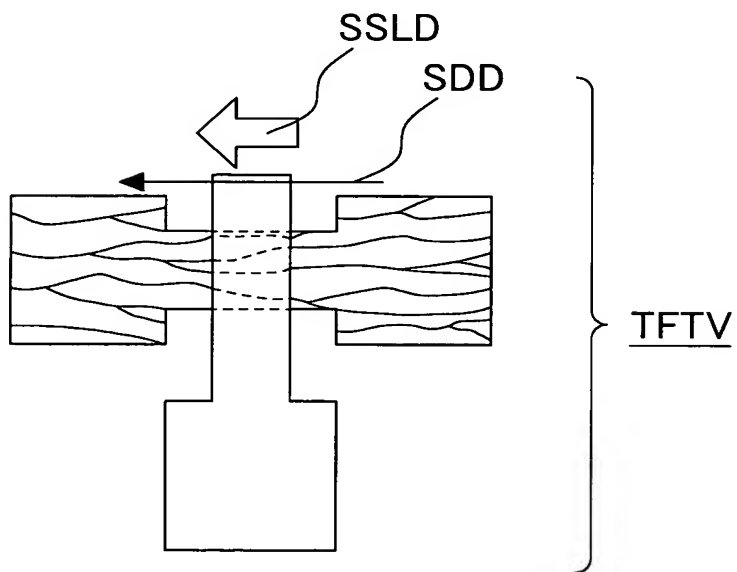


FIG.5

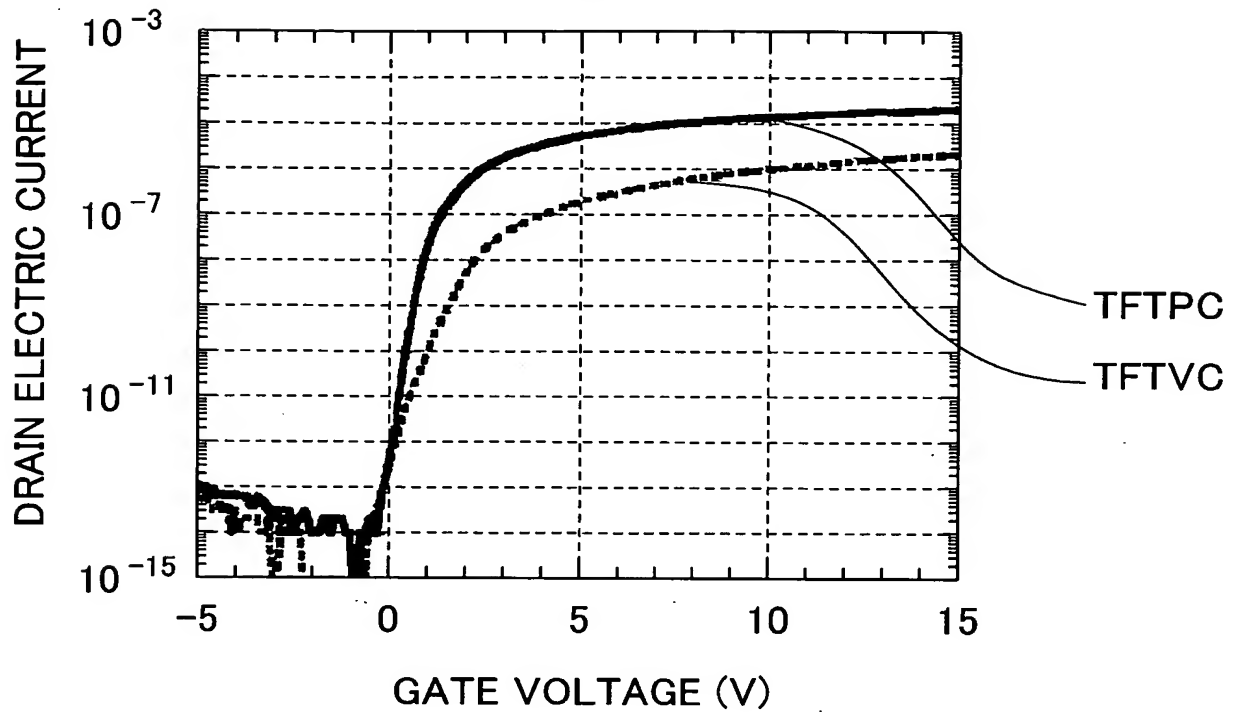


FIG.6

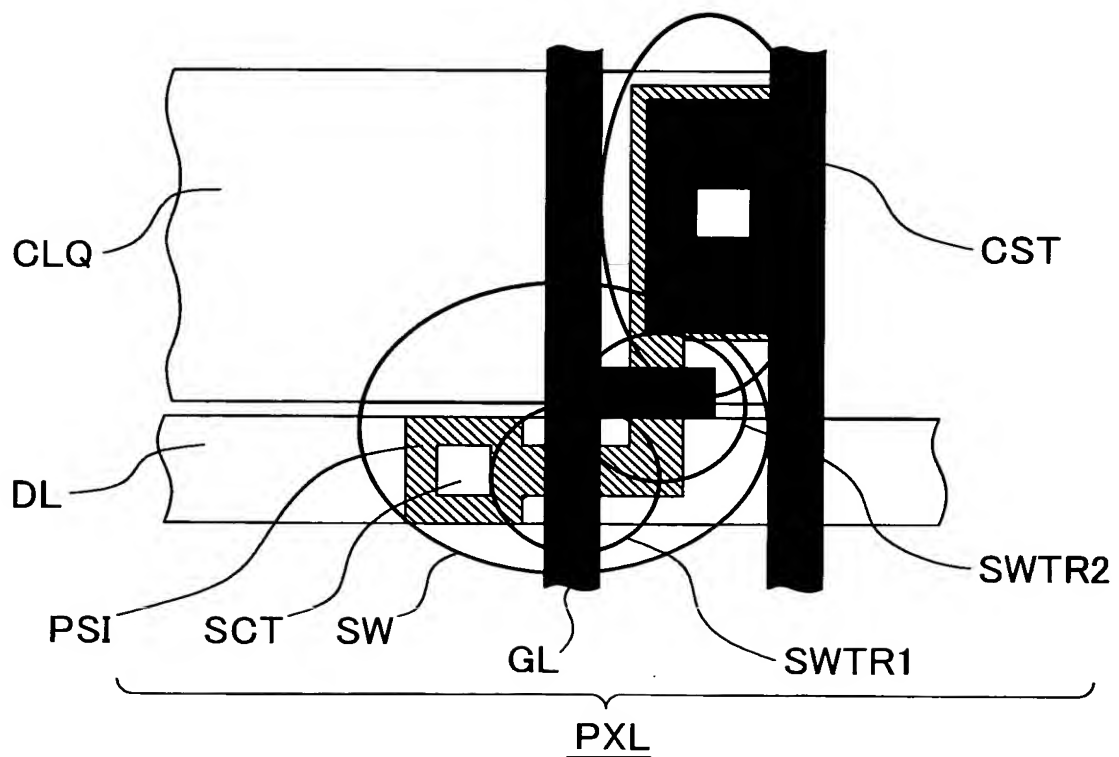


FIG.7

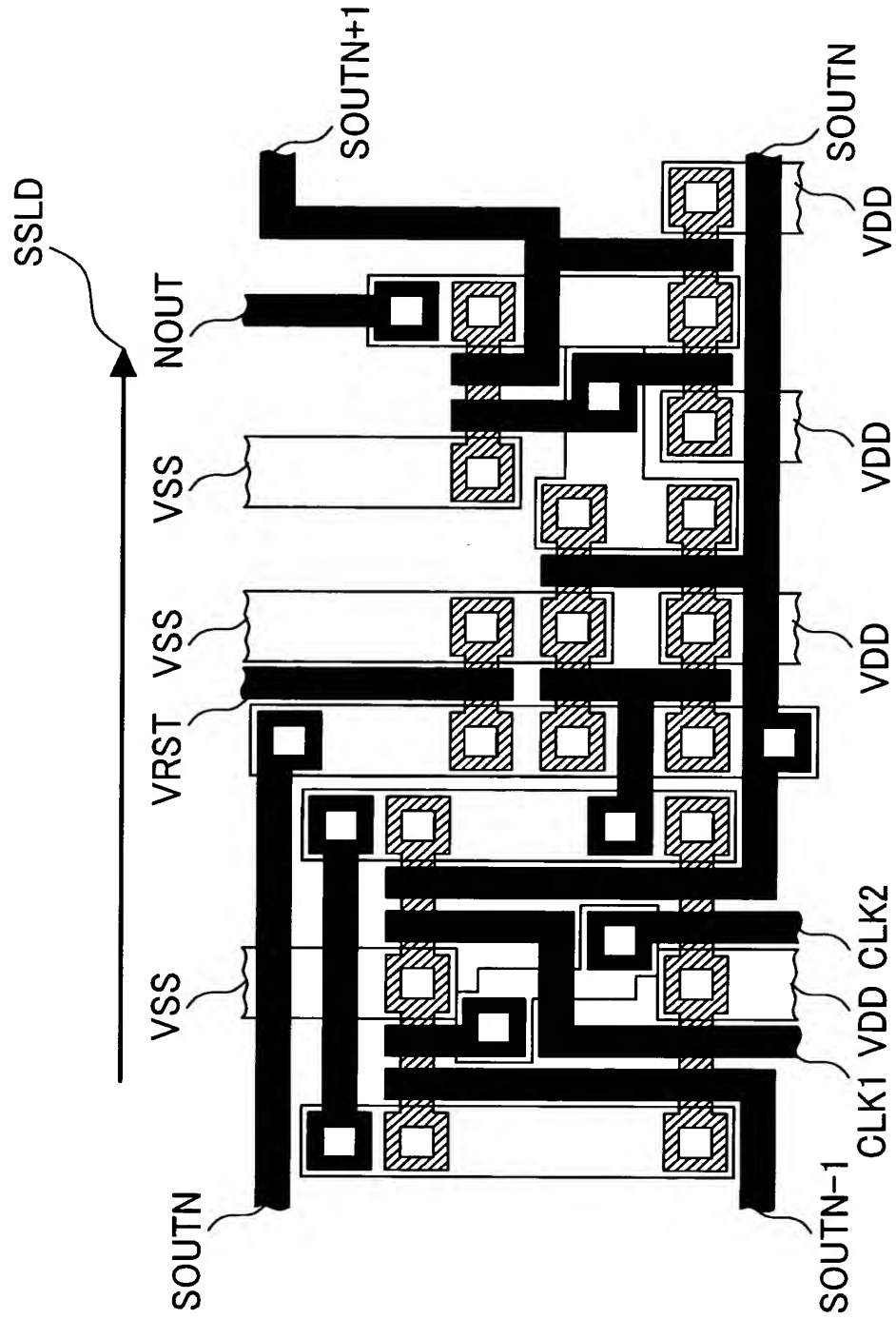


FIG. 8

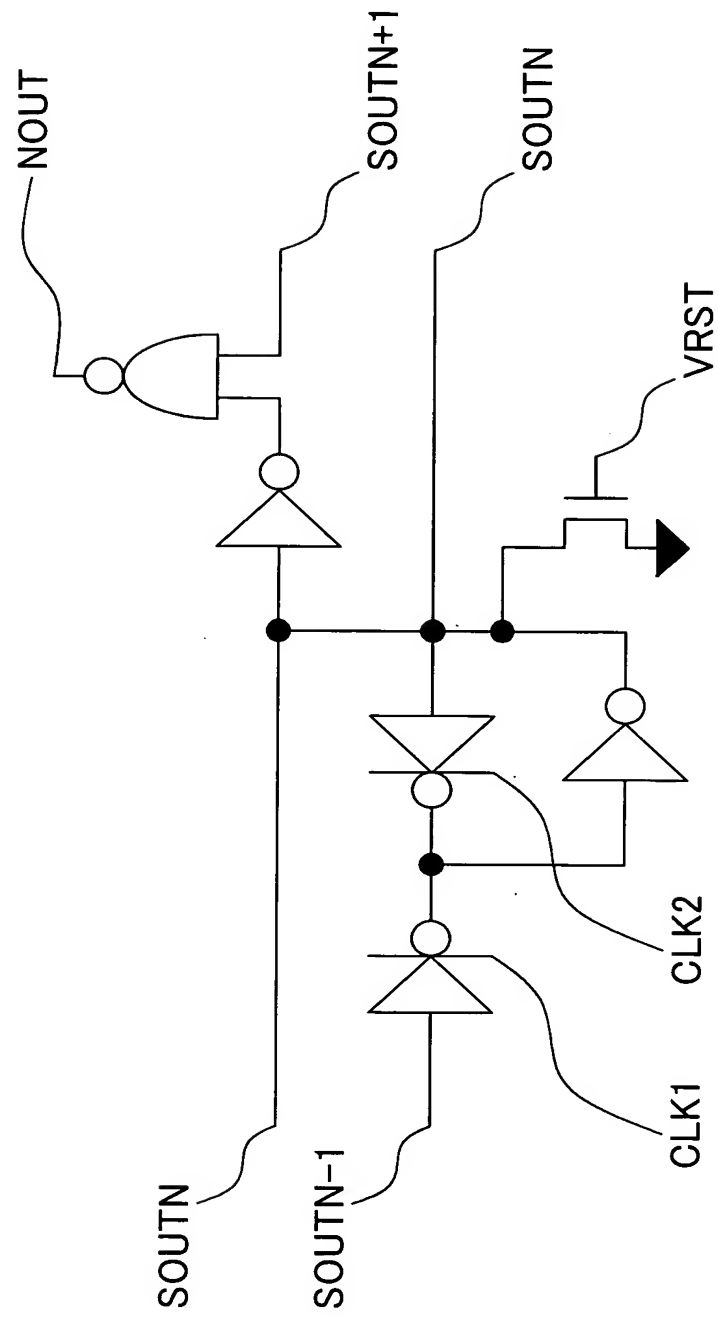


FIG.9

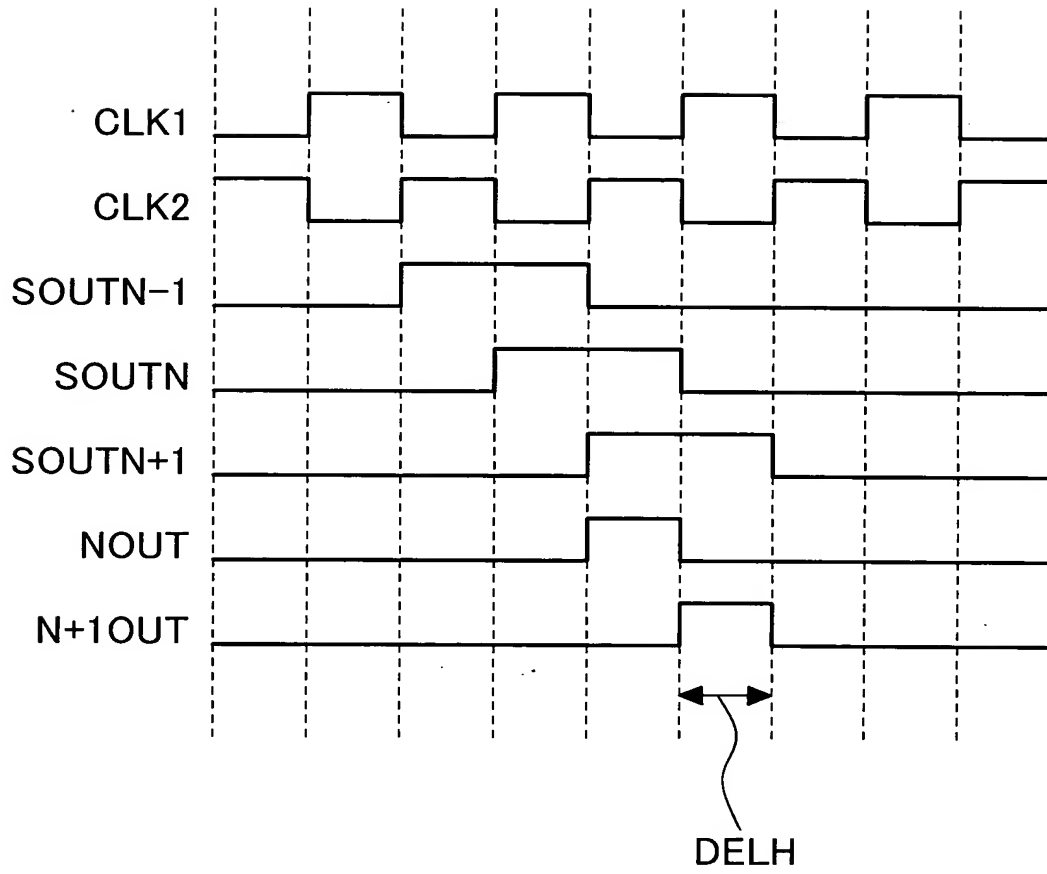


FIG.10

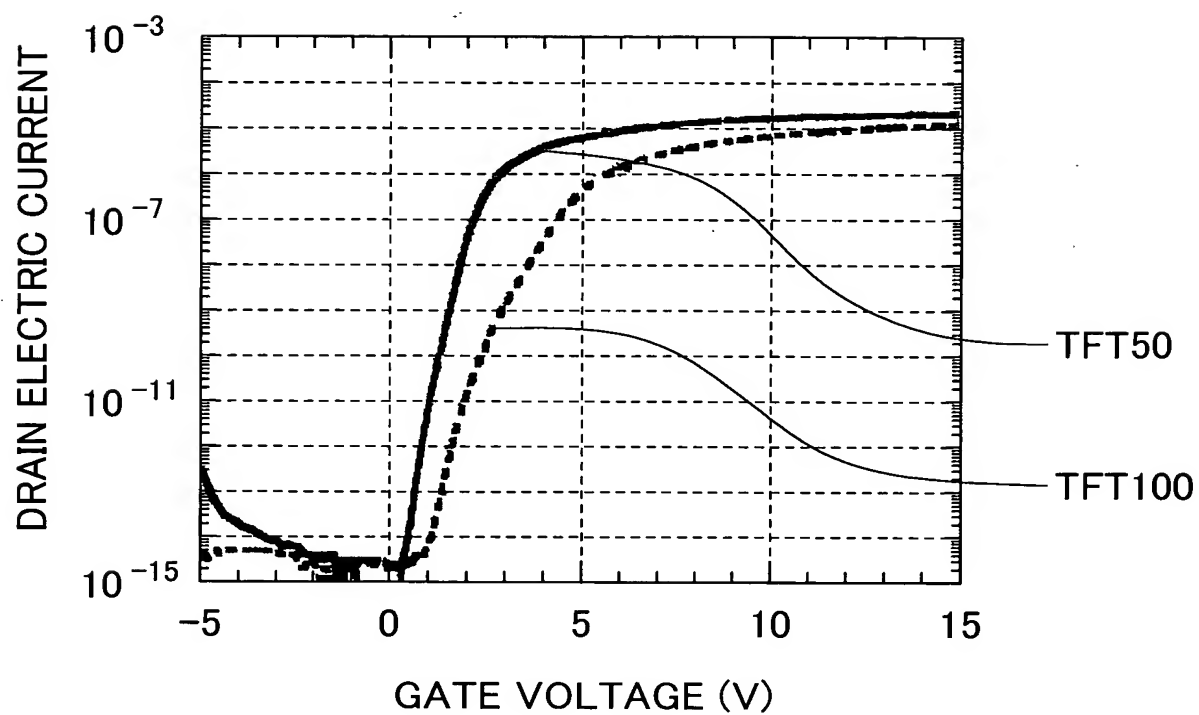


FIG.11A

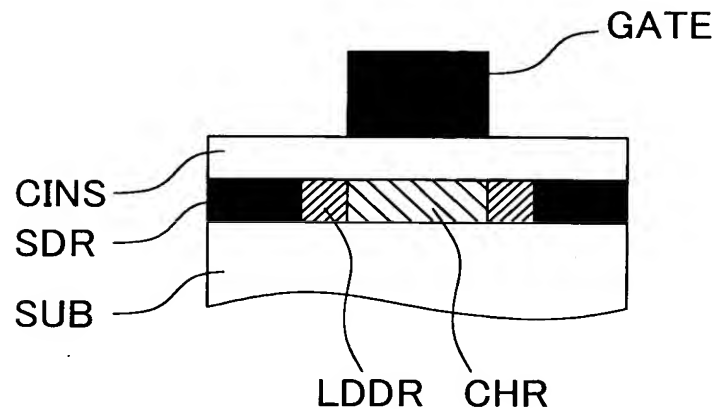


FIG.11B

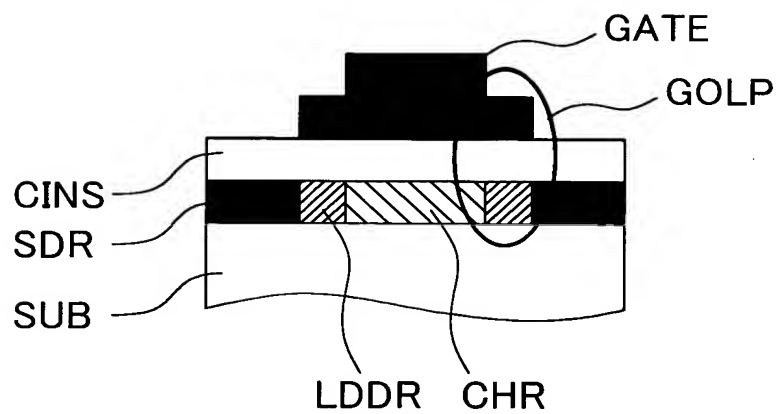


FIG.12

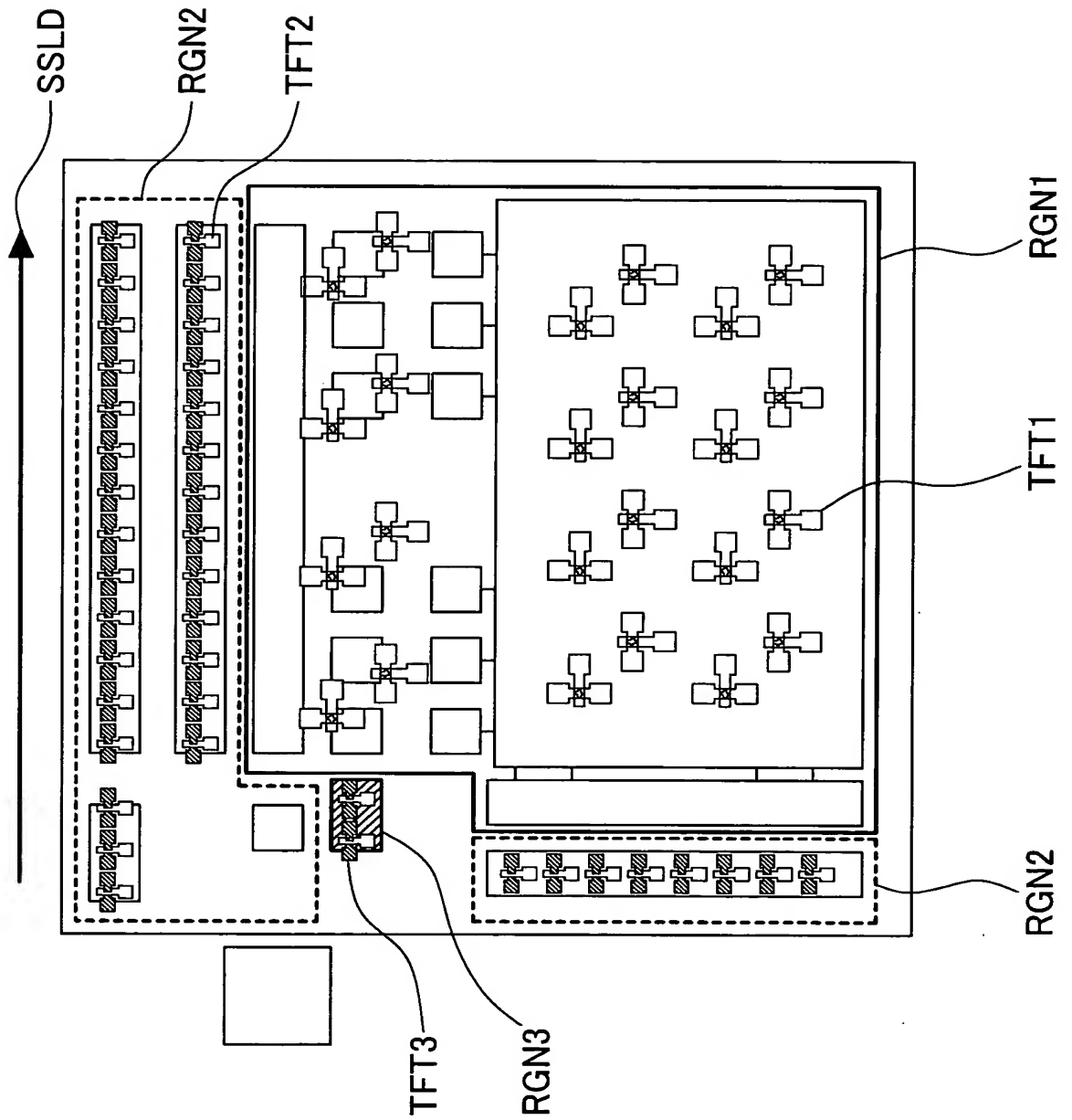


FIG.13A

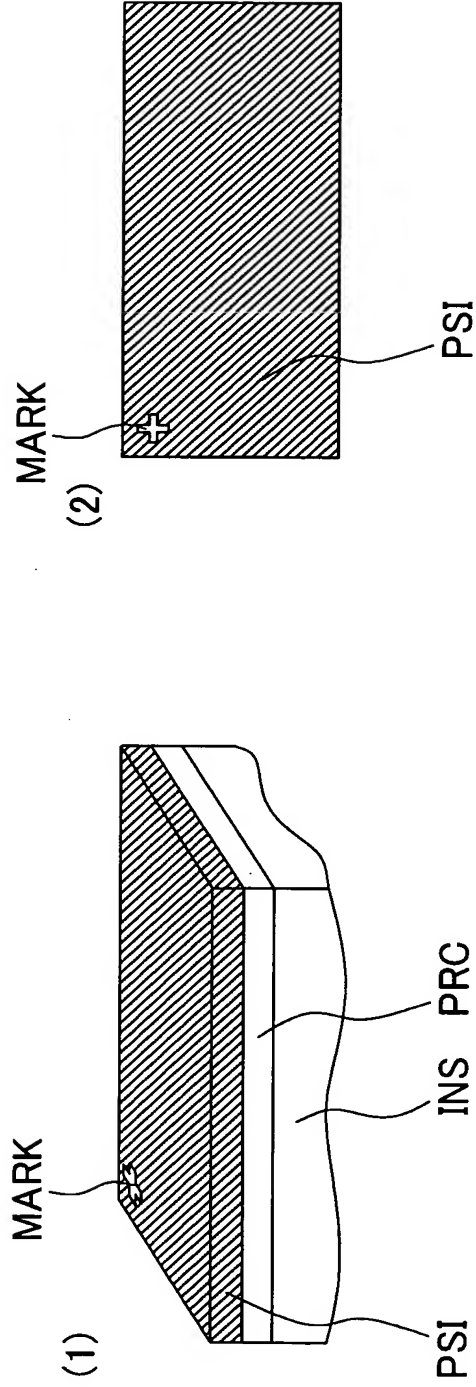


FIG.13B

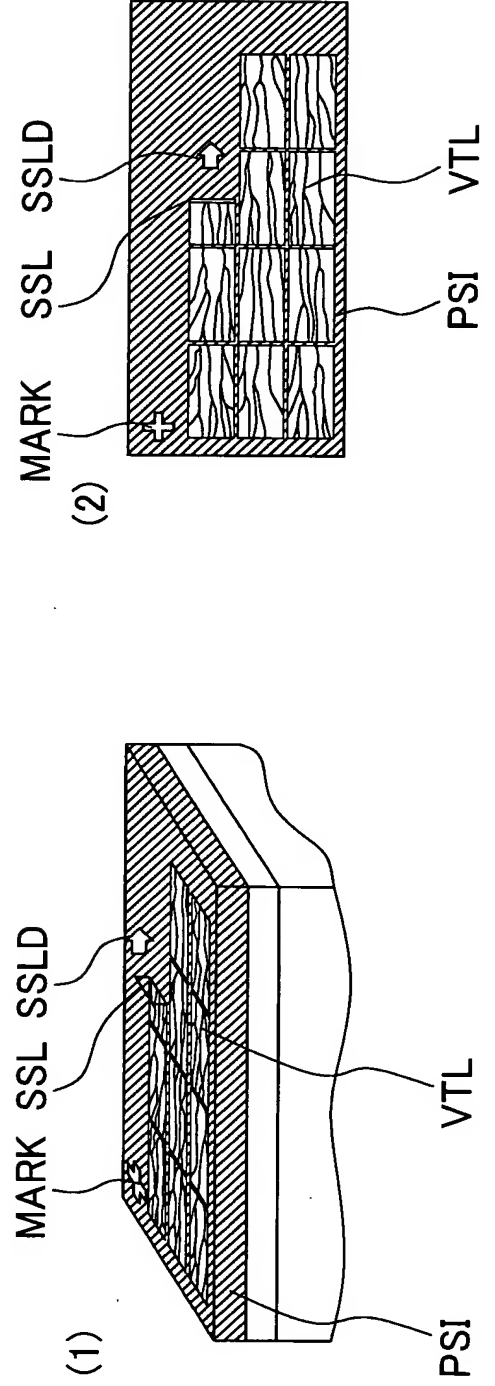


FIG.14

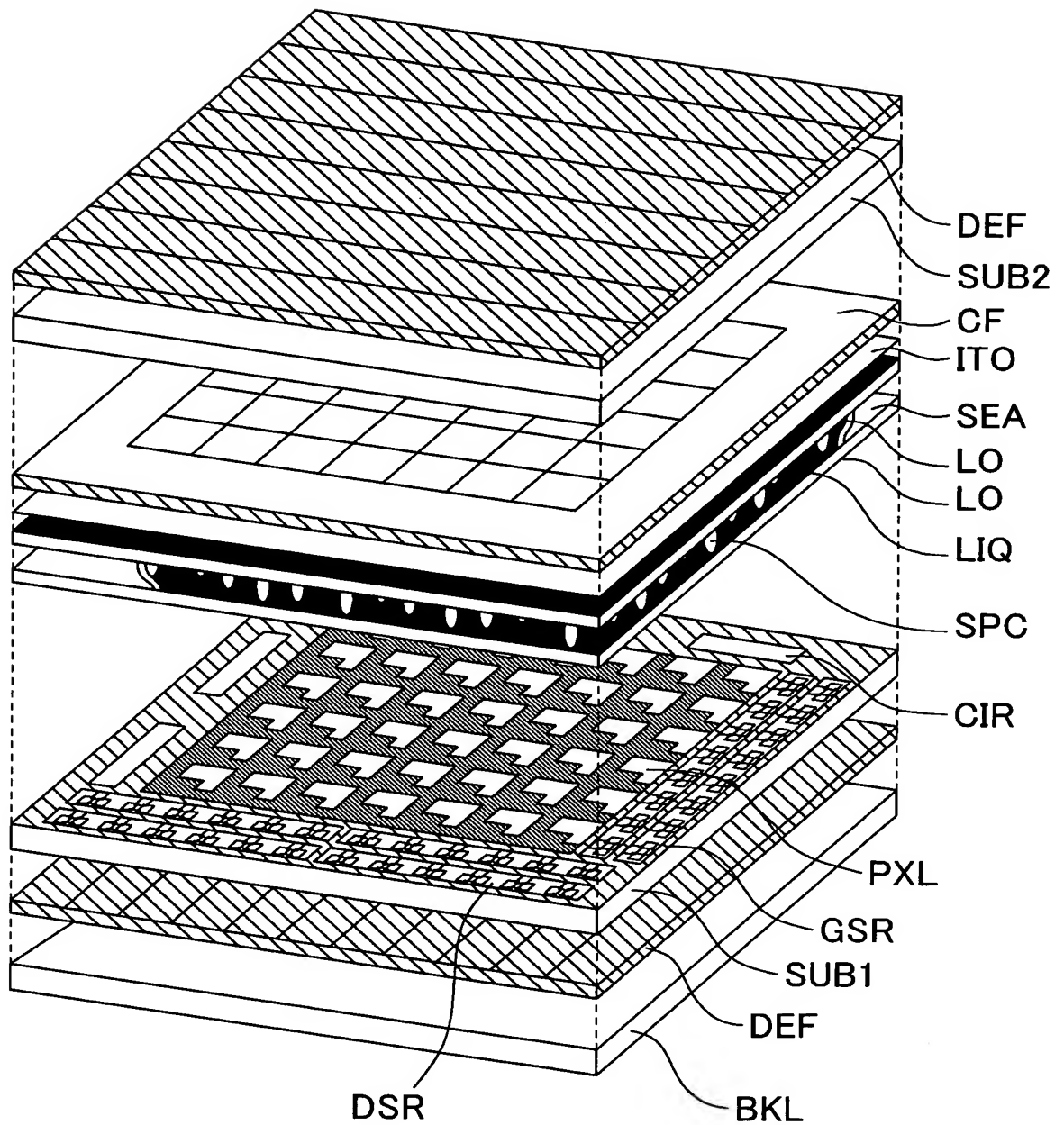


FIG.15

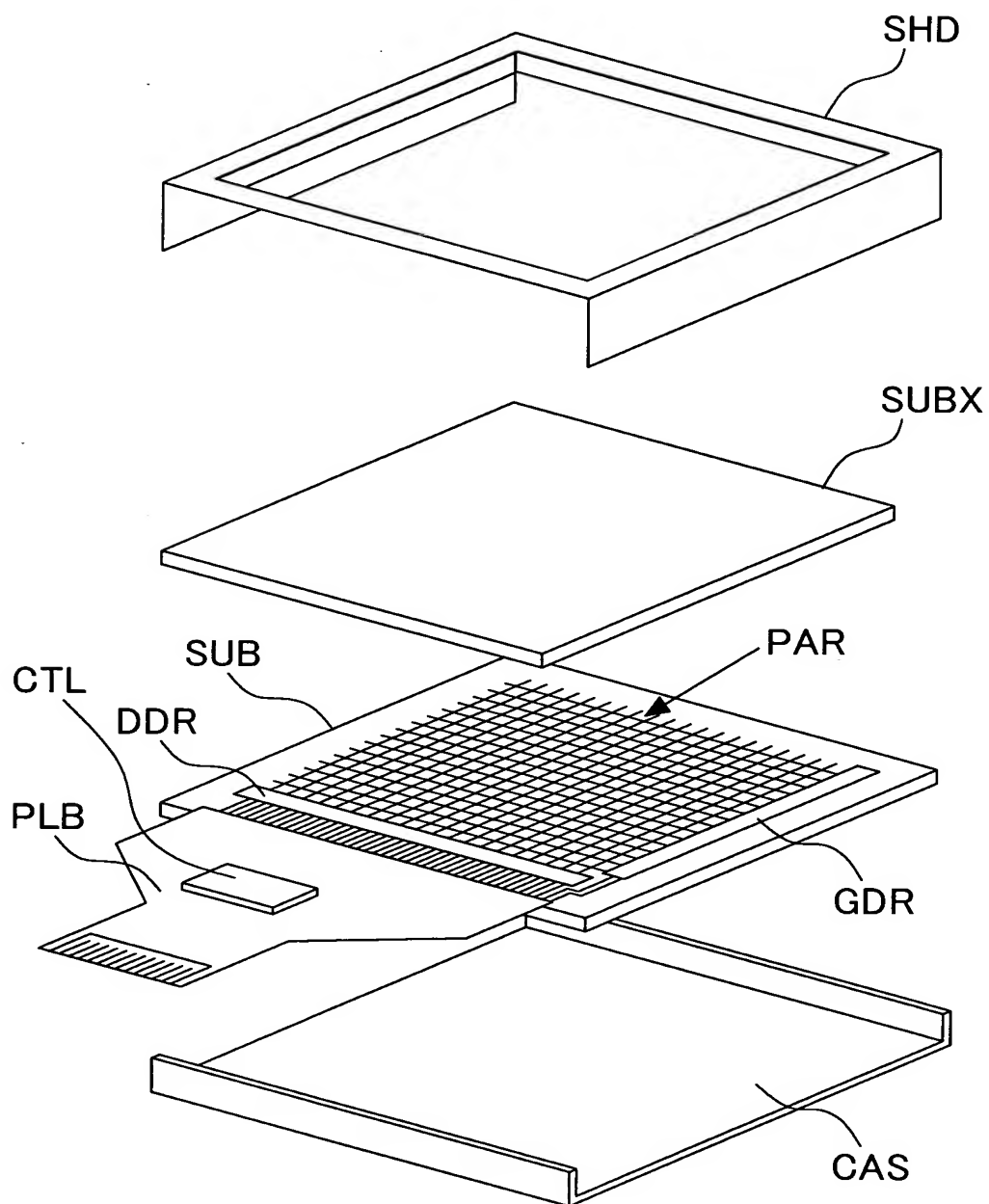


FIG.16

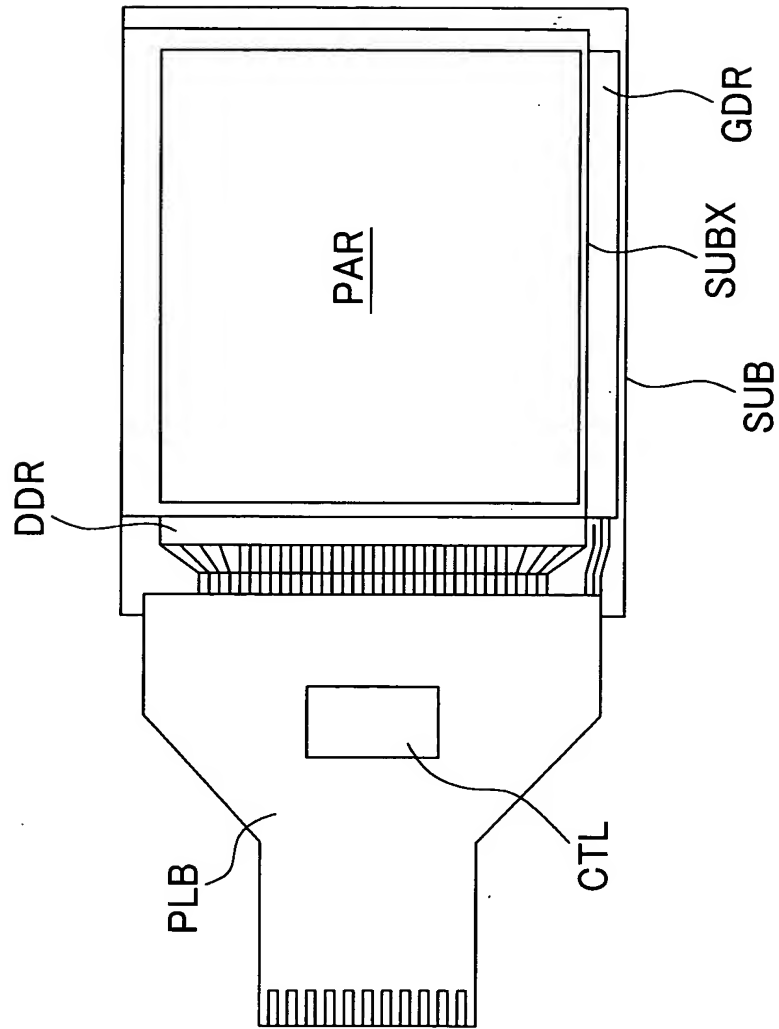


FIG.17

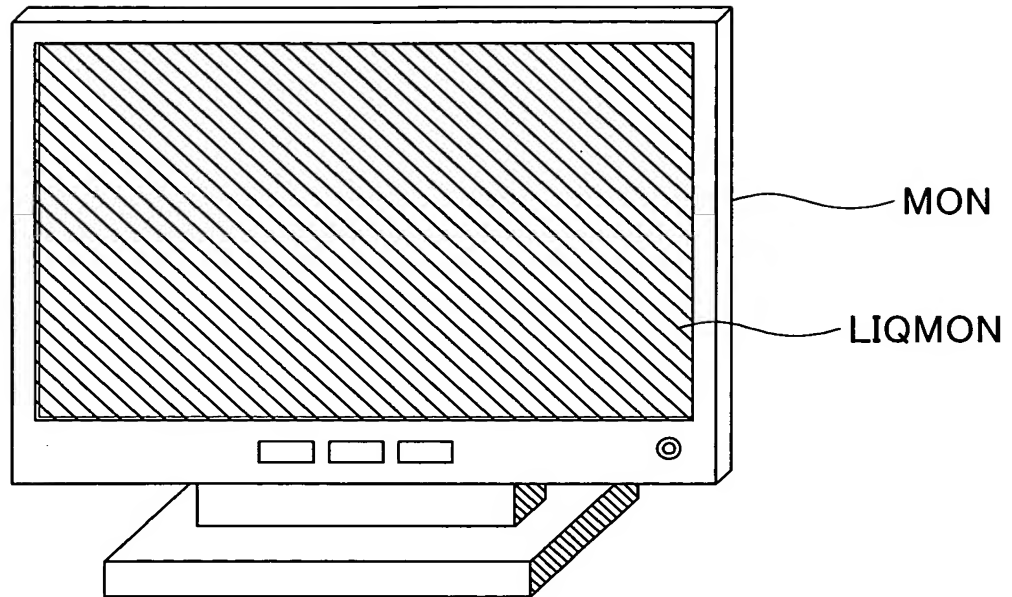


FIG.18

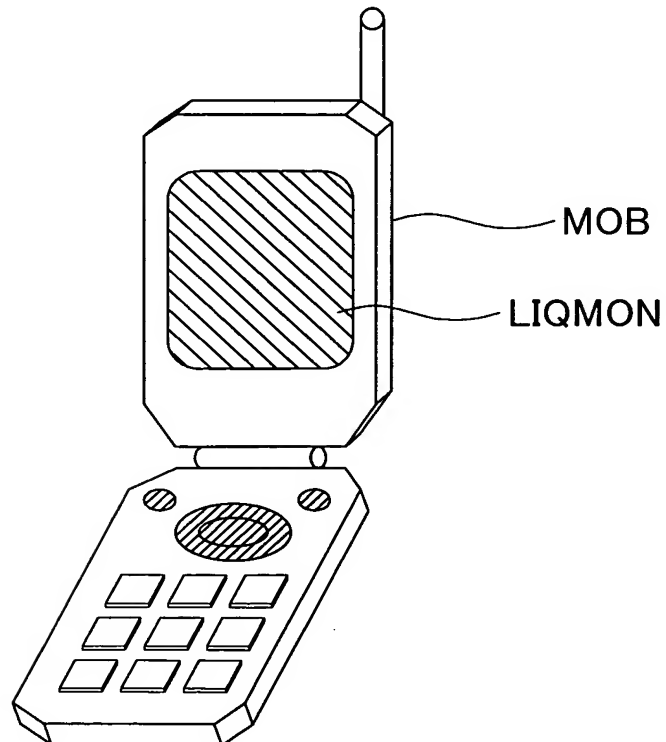


FIG.19

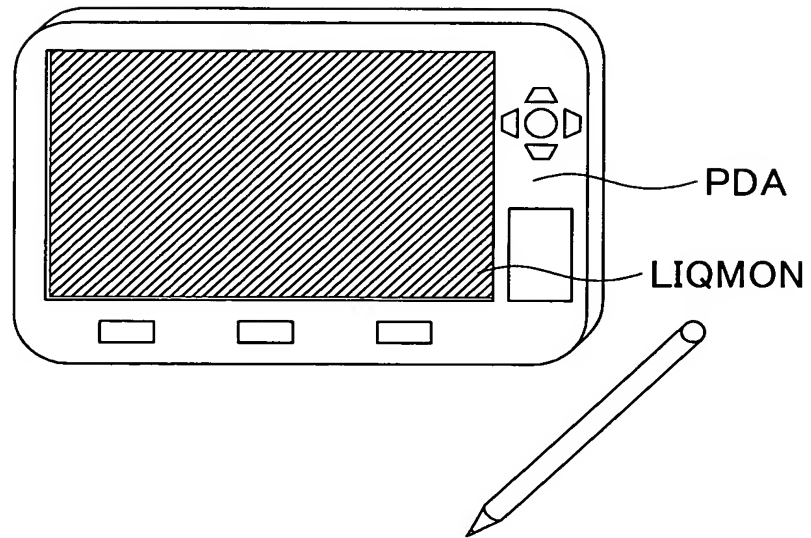


FIG.20

